

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"54429945".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 13:47
L2	1	"5442945".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 13:47
L3	1	"5868996".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 13:48
L4	1	"5534088".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 13:52
S1	0	"2002170636"	US-PGPUB; USPAT	ADJ	ON	2007/12/10 09:59
S2	1	"6458226".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:00
S3	4371	"20021121".pd.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:03
S4	562	S3 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:03
S5	0	2002170636A1	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:04
S6	6	"170636".ap.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:06
S7	1	"5433800".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:11
S8	6	"170636".ap.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:16
S9	0	"us-170636-A1.did"	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:18
S10	0	us-170636-A1.did.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:18
S11	0	us-2002170636-A1.did.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 10:18
S12	5	"551537".ap.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 11:08
S13	2876	thermomechanical and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/10 13:50
S14	70	thermomechanical near3 steel	US-PGPUB; USPAT	ADJ	ON	2007/12/10 13:50
S15	2	S14 and skew (roll or rolled or rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/10 13:53
S16	166	skew (roll or rolled or rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/10 15:05

S17	20	(skew (roll or rolled or rolling)).ti.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 15:05
S18	104	temperature near3 ac3	US-PGPUB; USPAT	ADJ	ON	2007/12/10 15:25
S19	28	S18 and rod	US-PGPUB; USPAT	ADJ	ON	2007/12/10 15:32
S20	2	S19 and S16	US-PGPUB; USPAT	ADJ	ON	2007/12/10 15:36
S21	252	((148/598) or (148/572)). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/12/10 15:39
S22	0	rol gap	US-PGPUB; USPAT	ADJ	ON	2007/12/10 16:12
S23	2561	roll gap	US-PGPUB; USPAT	ADJ	ON	2007/12/10 16:12
S24	16	(skew rolling).ti.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 16:52
S25	76	skew rolling	US-PGPUB; USPAT	ADJ	ON	2007/12/10 17:00
S26	14	S16 and heat treatment	US-PGPUB; USPAT	ADJ	ON	2007/12/10 17:00
S27	11	S26 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/10 17:00
S28	1	S27 and S21	US-PGPUB; USPAT	ADJ	ON	2007/12/10 17:01
S29	1	("5186769").PN. OR ("6024808").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/10 18:01
S30	45944	steel same (coil or helical)	US-PGPUB; USPAT	ADJ	ON	2007/12/10 18:05
S31	32079	S30 and method	US-PGPUB; USPAT	ADJ	ON	2007/12/10 18:05
S32	77	S30.ti.	US-PGPUB; USPAT	ADJ	ON	2007/12/10 18:05
S33	52	S32 and method	US-PGPUB; USPAT	ADJ	ON	2007/12/10 18:05
S34	0	S33 and skew (roll or rolled or rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/10 18:06
S35	3152	piercing and steel and rod and (coil or spring)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 08:48
S36	3152	piercing and steel and rod and (coil or spring)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:04
S37	0	S36 and (skew (roll or rolled or rolling) or skew- roll or skew-rolled or skew- rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:04

S38	0	S36 and ((skew roll) or skew-roll)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:04
S39	96	skew roll or skew-roll	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:05
S40	96	(skew roll) or (skew-roll)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:05
S42	17	S41 and rod	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:06
S43	14	S42 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:06
S44	96	S40	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:16
S45	58	S44 and (helical or spring or coil or wound)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:17
S46	166	skew (roll or rolled or rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:29
S47	14	S46 and heat treatment	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:29
S48	11	S47 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:29
S49	2	S48 and (spring) steel	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:29
S50	108	(start or starting) with (spring steel)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 13:30
S51	135	148/598.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:21
S52	41	S51 and (helical or spring or coil or wound)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:21
S53	31	S52 and (rod)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:22
S54	1	S52 and skew	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:24
S55	53	S51 and (helical or spring or coil or wound)	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:25
S56	41	S55 and rod	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:25
S57	1	S55 and skew	US-PGPUB; USPAT	ADJ	ON	2007/12/11 14:25
S58	9	(US-20040060619-\$).did. or (US-6458226-\$ or US-5433800-\$ or US-6210806-\$ or US-6024808-\$ or US-5186769-\$ or US-5938865-\$ or US-5873960-\$ or US-6682612-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:02

S59	3	S58 and ((heat or heated or heating) near3 rate)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:03
S60	1	S58 and ((heat or heated or heating) near3 (inductive or inductively))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:10
S61	135	148/598.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:11
S62	53	S61 and (helical or spring or coil or wound)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:11
S63	2	S62 and ((heat or heated or heating) near3 (inductive or inductively))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:11
S64	0	S58 and (equalization) near5 temperature near5 (rod or wire or filament)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:17
S65	4	((equalization) near5 temperature near5 (rod or wire or filament)) with second	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:18
S66	0	S58 and (temperature near3 (distribution or distributed))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:19
S67	3	S58 and (temperature near3 (distribution or distributed or difference))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 12:19
S68	252	((148/598) or (148/572)). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/12/12 13:23
S69	1	S68 and roll gap	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:23
S70	166	((skew-roll) or skew (rolled or roll or rolling))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:31
S71	3	((skew-roll) or skew (rolled or roll or rolling)) with one step	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:33
S72	166	skew (roll or rolled or rolling)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:34
S73	14	S72 and heat treatment	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:34
S74	11	S73 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:34
S75	11	S74 and one	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:34
S76	11	S75 and skew	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:34
S77	11	S72 and transformation	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:42

S78	9	(US-20040060619-\$).did. or (US-6458226-\$ or US- 5433800-\$ or US-6210806- \$ or US-6024808-\$ or US- 5186769-\$ or US-5938865- \$ or US-5873960-\$ or US- 6682612-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:58
S79	9	S78	US-PGPUB; USPAT	ADJ	ON	2007/12/12 13:58
S80	4	S79 and skew	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:08
S81	1	S68 and (start near3 (spring steel))	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:13
S82	12	S68 and spring steel	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:14
S83	72	((skew-roll) or (skew- rolled) or skew (rolled or roll or rolling)) and (coil or helical or spring)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:26
S84	29	S83 and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:26
S85	4	skew rolling stand	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:32
S86	9	((winding or bending) near3 (after or (followed by) or leads)) with recrystallization	US-PGPUB; USPAT	ADJ	ON	2007/12/12 14:55
S87	2	S70 and degree near3 (stretch or stretching)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:19
S88	43	S70 and (stretch or stretching)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:19
S89	4	S70 and temperature (elevation or elevated or elevate)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:26
S90	1	S70 same temperature (elevation or elevated or elevate)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:31
S91	74	S70 and temperature	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:32
S92	13	S70 with temperature	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:33
S93	86	(rod or wire or filament) with transformation with diameter	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:41
S94	2	(rod or wire or filament) with transformation with diameter with maximum transformation	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:41

S95	19867	(rod or wire or filament) with (twist or twisting)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:45
S96	1687	((rod or wire or filament) with (twist or twisting)). ab.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:45
S97	560	((rod or wire or filament) with (twist or twisting)). ab.) and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:46
S98	43582	(spring or coil or helical) and twist	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:46
S99	4369	((spring or coil or helical) same twist) and steel	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:47
S100	3471	((spring or coil or helical) same twist) and steel and (method or process)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:47
S101	39978	(spring or coil or helical). ti.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:48
S102	271	S101 and twist and steel and (method or process)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:49
S103	193	S102 and (rod or wire or filament)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 15:52
S104	15	S102 and (rod or wire or filament) and tension and stress and torsion	US-PGPUB; USPAT	ADJ	ON	2007/12/12 16:00
S105	4	S104 and (degrees near3 angle)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 16:12
S106	25	steel and (maximum transformation)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 16:28
S107	7	steel same (maximum transformation)	US-PGPUB; USPAT	ADJ	ON	2007/12/12 16:30

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